

WHAT WE CLAIM IS:

1. A system for executing an action specified in subscriber rules based on location information comprising:

- 5 (a) a wireless device characterized by a location;
(b) a location system in communication with the wireless device;

and

(c) a feature server in communication with the location system and the wireless device,

10 wherein the location system generates the location information that pinpoints the location, wherein if the location information satisfies the subscriber rules, the feature server performs the action according to the subscriber rules.

2. The system of claim 1, wherein the wireless device is a wireless telephone.

15 3. The system of claim 1, wherein the wireless device is an interactive pager.

4. The system of claim 1, wherein the wireless device is a handheld computer.

20 5. The system of claim 1, wherein the wireless device is a personal digital assistant.

6. The system of claim 1, wherein one or both of the location system and the feature server are provisioned at the wireless device.

7. The system of claim 1, wherein the location system is a GPS receiver.

8. The system of claim 1, wherein one or both of the location system and the feature server are not provisioned at the wireless devices.

9. The system of claim 1, wherein the location system and feature server are GPS compatible components.

5 10. The system of claim 1, wherein the location system and the feature server are GIS compatible components.

11. The system of claim 1, wherein the location system and the feature server are WAP compatible components.

12. The system of claim 1, further comprising a memory accessible by the feature server, wherein the memory comprises the subscriber rules.

13. The system of claim 1, wherein the location information comprises position coordinates.

14. The system of claim 13, wherein the position coordinates comprise a longitude and a latitude.

15 15. The system of claim 14, wherein the position coordinates further comprise an altitude.

16. The system of claim 13, wherein the position coordinates comprise an X component and a Y component of a coordinate system.

17. The system of claim 1, wherein the action is executed via a wireless communications network.

18. The system of claim 1, wherein the action is executed via a global computer network.

19. The system of claim 1, wherein the action is executed via a public switched telephone network.

20. The system of claim 1, wherein the action is executed via a local area network.

5 21. A method for executing an action based on location information comprising the steps of:

(a) defining subscriber rules for a wireless device by a subscriber, wherein the wireless device is characterized by a location;

(b) generating the location information;

10 (c) reviewing the location information and the subscriber rules; and

(d) executing the action if the location information satisfies the subscriber rules.

22. The method of claim 21, further comprising the step of querying the subscriber whether the action should be executed.

15 23. The method of claim 21, wherein the subscriber rules relate the location with the action.

24. The method of claim 21, wherein the action is executed via a wireless communications network.

20 25. The method of claim 21, wherein the action is executed via a global computer network.

26. The method of claim 21, wherein the action is executed via a public switched telephone network.

27. The method of claim 21, wherein the action is executed via a local area network.

28. The method of claim 21, further comprising the step of monitoring the subscriber's habits for using the wireless device.

5 29. The method of claim 28, further comprising the step of defining the subscriber rules using the habits.

30. The method of claim 21, wherein the action is a default action.

31. A method for using a wireless device comprising the steps of:

(a) delineating a location;

10 (b) defining an action to be executed when the wireless device is at the delineated location;

(c) comparing the wireless device's location to the delineated location; and

15 (d) executing the action if the location information indicates that the wireless device is at the delineated location.

32. The method of claim 31, wherein the step of delineating uses at least three nodes.

33. The method of claim 31, wherein the step of delineating uses one node and a radius.

20 34. The method of claim 31, wherein the step of defining the action is specified by the subscriber.

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35. The method of claim 31, wherein the step of defining the action is performed by a feature server based on habits of the subscriber for using the wireless device.

36. The method of claim 35, wherein the action is a default action until the
5 habits are established.

37. The method of claim 31, wherein the location information is generated by a location system.

38. The method of claim 37, wherein the location system is a GPS receiver.

39. The method of claim 31, wherein the location information is based on
10 strengths of wireless signal experienced by the wireless device.

40. The method of claim 31, wherein the location information comprises point coordinates.

41. A method for using a wireless telephone that is characterized by a device location comprising the steps of:

15 (a) defining subscriber rules relating a pre-determined or delineated location with an action;

(b) reviewing location information that pinpoints the device location; and

(c) executing the action in accordance with the subscriber rules
20 when the location information indicates that the wireless telephone is at the location.

42. The method of claim 41, further comprising the steps of establishing habits for using the wireless telephone and converting the habits into the subscriber rules.

43. The method of claim 42, further comprising the step of notifying the subscribers before the habits are converted into subscriber rules.

44. The method of claim 41, further comprising the step of notifying a user of the wireless telephone before the action is executed.

45. The method of claim 41, wherein the action is to forward a call to another telephone.

46. The method of claim 41, wherein the action is to forward a call to a voice mailbox.

47. The method of claim 41, wherein the action is to manipulate a feature on the wireless telephone.

48. The method of claim 41, wherein the action is to display a menu of call management options.

49. The method of claim 41, wherein the action is to call a telephone number and play a voice recording.

50. The method of claim 41, wherein the action is to estimate a time of arrival to a destination.

51. A method for monitoring delivery of a package comprising the steps of:

(a) defining subscriber rules concerning time and method for reporting status of delivery;

- (b) storing the subscriber rules in a feature server;
 - (c) reviewing location information pinpointing the package's location; and
 - (d) executing an action in accordance with the subscriber rules
- 5 when the location information satisfies the subscriber rules.

52. The method of claim 51, wherein the action is to report the status.

53. The method of claim 51, wherein the action is to provide an estimated time of arrival.

54. The method of claim 51, wherein the action is to dispatch a truck for pick up.

55. The method of claim 51, wherein the action is to monitor a speed at which the package is moving.

56. The method of claim 51, wherein the action is to produce a log documenting the delivery.

57. The method of claim 51, further comprising the step of notifying a person when the delivery is not on schedule.

58. The method of claim 51, wherein the action is executed via a network.

59. The method of claim 51, further comprising the step of sending an e-mail to execute the action.

60. The method of claim 51, further comprising the step of making a telephone call to execute the action.

61. A method for operating a machine based on location information pinpointing a location of a wireless device comprising the steps of:

(a) defining subscriber rules relating operation of the machine and the location;

5 (b) generating the location information according to the subscriber rules;

(c) reviewing the location information; and

(d) operate the machine via a computer network when the location information meets criteria specified in the subscriber rules.

10 62. The method of claim 61, wherein the machine is an office equipment.

63. The method of claim 61, wherein the machine is a home appliance.

64. The method of claim 61, wherein the wireless device is a handheld computer.